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SITE SUMMARY AND RECOMMENDATION

The Desoto, Incorporated (Desoto) site (CERCLIS ID No.: NJD005440342) located at 8600 River Road, is an active 19.3 acre site, which occupies Block 248Z, Lot 5 in Pennsauken Township, Camden County, New Jersey. The area surrounding Desoto is partially industrial with a residential area bordering the southern edge of the property along John Tipton Boulevard. The site is bordered on the north by Aluminum Shapes, Inc., on the northeast by Pennsauken Sanitary Landfill, and on the west by River Road. The City of Camden's Morris Wellfield is located approximately 1,500 feet to the west, across River Road.

Desoto purchased the property from Maria K. and George B. Robeson on March 28, 1963. The land was undeveloped prior and shortly after the sale, Desoto constructed a paint manufacturing facility for its exclusive use. The plant was designed to produce water-borne and solvent-borne coatings for the consumer market and solvent-borne coatings for industrial applications. In 1971, a dry solids detergent manufacturing operation was added. On August 30, 1984, Desoto sold the property to Aluminum Shapes, Inc. who owns an adjacent building on River Road, located north of the site. The Delair Group, Inc., a subsidiary company of Aluminum Shapes, Inc., currently occupies the building and manufacture pools, spas, fences and miscellaneous aluminum products. The Delair Group, Inc. includes Delgard Aluminum Ornamental Fence, Esther Williams Swimming pools, Johnny Weissmuller Swimming Pools and Patriot Pool Products.

Wastes generated on site included solvents used to clean the ball mills, sand mills, thin-down tanks, and associated equipment between batches. This mixture was ordinarily reclaimed solvent and was known as "wash solvent". The dirty wash solvent was pumped to one of two outside, diked, bulk storage tanks where it was temporarily stored until reclaimed by another company.

In 1977, residents in the vicinity of the site complained that solvent-type emissions were eminating from the Desoto plant. The New Jersey Department of Law and Public Safety, Environmental Protection Section required Desoto to develop a compliance plan, which included developing physical and operational changes at the facility. On March 9, 1977, the NJDEP filed a complaint in Superior Court to legally bind Desoto in a Consent Judgement to the agreed upon corrective measures. The Consent Judgement was signed by Desoto and most of the corrective measures were taken in accordance with the provisions. Shortly thereafter, however, a management decision was made to discontinue the manufacturing of industrial solvent-borne coatings at the plant.

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SITE SUMMARY AND RECOMMENDATION

All solvent-borne paint production ended in 1977 and most of the hazardous substances were removed from the thin-down and waste tanks. A September 18, 1981, Resource Conservation Recovery Act (RCRA) inspection conducted by personnel from the NJDEP, Bureau of Hazardous Waste observed twenty-one 55-gallon drums of solvent-based paints in good condition on the drum storage pad. Seven of the drums were solidified and the remaining drums were awaiting solidification. Several minor violations were noted during the inspection including no markings on the containers, no written inspection schedule, and no personnel training plan. Housekeeping of drum storage area and overall conditions at the facility were found to be excellent.

Desoto submitted a Part A Hazardous Waste Permit Application to the EPA on November 5, 1980. The permit specified the storage of 555,000 gallons in containers, storage of 12 million gallons in tanks, and 10 million gallons of treatment per day. The EPA approved the Part A permit (Permit ID No.: NJD005440342) on an unknown date. Desoto received approval from the Pennsauken Sewerage Authority (PSA) to discharge wastewater into the municipal sewerage collection system in August 1977. It is unknown if a permit was issued for this discharge.

All operations ceased at Desoto in 1982, prior to the transfer of property ownership, Desoto was required to close through the NJDEP/DWM/Bureau of Environmental Evaluation and Cleanup Responsibility Assessment (BEECRA) under the Environmental Cleanup Responsibility Act (ECRA) Program. A Preliminary ECRA Inspection was conducted on July 17, 1984 by NJDEP, Bureau of Industrial Site Evaluation personnel. Ten deficiencies were noted including 1,300 gallons of various solvents remaining in eight 4,000-gallon and three 8,000-gallon underground tanks; the unknown status and sampling of the latex paint wastewater clarifier/separator; titanium dioxide powder was found spilled on the ground adjacent to the titanium dioxide loading area; material alleged to be soda ash was observed on the railroad siding; and the remaining inventory of paint (approximately 4,000 pints) from the facility.

On October 12, 1984, Desoto submitted to the NJDEP an ECRA Sampling Plan to address deficiencies noted during the Preliminary ECRA Inspection on July 17, 1984. Desoto removed all of the organic solvents (approximately 800 gallons) from the tanks. This material was sent for disposal to S&W Waste, Inc. in Kearny, New Jersey (Manifest No. NJ0226811) on August 8, 1984. All tanks, lines, pumps and equipment involved in the production of solvent-borne paints were emptied and cleaned. The wash solvent was retained and sent to Swope Oil and Chemical Co. of Pennsauken, New Jersey. Protanic Professional Tank Investigation Corporation of Milwaukee, Wisconsin was contracted by Desoto to test each of the tank systems for possible leakage. All 14 tank systems were tested between July 17 and 23, 1984 and were found to be tight.

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SITE SUMMARY AND RECOMMENDATION

IT Corporation of Pittsburgh, Pennsylvania was contracted by Desoto to investigate possible soil contamination from the clarifier/separator unit. The tank under investigation was a four-chambered concrete vessel formerly used as a primary clarifier/separator for latex paint process water. On August 23, 1984, IT Corporation initiated sampling with four soil borings around the perimeter of the tank. Two samples were collected from each of the four borings. IT Corporation determined that the analytical results indicated no environmental or public health risk posed by the concentrations of substances found in the samples. In addition, according to the NJDEP/DWM, the occurrence of these specific compounds at the levels indicated did not warrant any additional sampling or cleanup. The tank was subsequently emptied, filled with sand and gravel, concreted over and covered with soil.

On March 21, 1984, Desoto submitted documentation to the NJDEP regarding complete closure of all hazardous waste treatment and storage activities. Desoto was subsequently delisted as a treatment, storage and disposal facility on September 10, 1984. Based on a NJDEP/Bureau of Industrial Site Evaluation investigation and Desoto's Initial Notice Submission, a Negative Declaration was issued on November 16, 1984.

The NJDEP/DHWM/BPA conducted a Site Inspection at the Desoto site on March 14, 1991. Five soil samples were collected adjacent to the two former solvent waste storage tanks. This tank area was previously delisted as a TSD by the Bureau of Hazardous Waste Engineering on September 10, 1984. Elevated levels of volatiles and semivolatile organic compounds were detected.

On May 24, 2000, Region II START and the EPA Task Monitor conducted an on-site reconnaissance to ascertain current site conditions, identify sample locations, and to screen the site for health and safety considerations. START observed that the two former solvent waste storage tanks and the concrete diked area which contained the tanks had been removed. The tanks were located approximately 100 feet east of the former tank farm and in between the railroad embankment and the Penn Central railroad tracks. Current operations and maintenance, and overall conditions at the former Desoto facility were noted by START to be excellent.

On June 22 and 23, 2000, Region II START collected ten surface and subsurface soil samples, one groundwater sample, one duplicate sample, one matrix spike/matrix spike duplicate (MS/MSD) sample, one rinsate blank and two trip blanks from the Desoto site. START also collected four groundwater samples from existing monitoring wells located on the Aluminum Shapes property. These samples were collected as part of the Site Inspection Prioritization (SIP). All samples were analyzed for Target Compound List (TCL) and Target Analyte List (TAL), excluding cyanide, parameters through a Contract Laboratory Program (CLP). Samples were analyzed by Compuchem

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SITE SUMMARY AND RECOMMENDATION

Environmental Corporation for TCL VOC, base/neutral and acid extractable organics (BNA), pesticides, polychlorinated biphenyls (PCBs) and TAL metals. The trip blanks were also sent to Compuchem for TCL VOC analysis. Soil samples were collected from various source areas (i.e., the former clarifier tank area, the former underground tank farm area, and the former solvent waste storage tank area) to determine waste source characterization and site attribution. Groundwater samples were collected to determine if a release of hazardous substances from the site has impacted the groundwater. No surface water or sediment samples were collected as part of this SIP investigation.

There is no observed or suspected release of contaminants from the site to the groundwater. The groundwater pathway score is 38.42. Analytical results of groundwater samples collected during the Region II START, June 2000 sampling event do not indicate that a release of hazardous substances attributable to previous paint manufacturing operations at the Desoto site has occurred. No VOCs or SVOCs were detected in the groundwater sample collected from the Desoto property, grab sample GW-1, or from the samples collected from existing monitoring wells (Nos. MW-7, MW-8, MW-14, and MW-15) located on the Aluminum Shapes property. Low level pesticides detected in groundwater sample GW-1 and in monitoring well samples MW-7, MW-14, and MW-15 are most likely due to property maintenance practices. Several metals including arsenic, beryllium, cadmium, chromium, mercury, nickel, and thallium were detected in grab sample GW-1, and in monitoring well sample MW-8 at concentrations above the MCLs. However, the metals are not representative of the contaminants detected in the source samples.

The Desoto site overlies the highly productive PRM aquifer. The PRM aquifer serves as a drinking water source for approximately 106,278 people using private and public wells within a 4-mile radius of the site, 12,704 of which are within ¼ to ½ mile of the site. A designated wellhead protection area (WHPA) is within 4 miles of the site and groundwater is also used for industrial, commercial, and institutional purposes.

There is no likelihood of a release of contaminants from the site to surface water. The surface water pathway score is 0.15. Surface drainage or runoff from the Desoto site is essentially restricted from entering the nearest downslope surface water by such intervening features as River Road and Penn Central railroad tracks. Storm sewers discharge to a marsh area adjacent to the Delaware River approximately 0.05 miles from the site. There is a surface water intake approximately 7 miles upstream of the site, which serves 706,944 people. The Delaware River is a fishery and provides habitats for Federal and State-listed endangered species. There are approximately 10 miles of wetland frontage along the 15-mile surface water migration pathway.

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SITE SUMMARY AND RECOMMENDATION

A PREscore (version 4.1) sensitivity analyses conducted by Region II START indicated that the surface water pathway score would still be low if the site was evaluated with a potential population (706,944 persons) obtaining potable water from the Delaware River intake. The low pathway score is due to the high dilution weight factor assigned to the Delaware River based on its flow characteristics (> 10,000 to 100,000 cubic feet per second).

Site soils indicate contamination associated with three areas of concern (i.e, the former aboveground solvent waste storage tank area, the former underground tank farm area, and the former clarifier tank area). The soil pathway score is 0.61. Analytical results of surface soil samples indicate that site soils have been contaminated with VOCs and SVOCs attributable to past paint manufacturing operations. There are currently 100 workers on-site. There are no schools, day-care centers, or terrestrial sensitive environments within 200 feet of the site. There are residences located within 200 feet of the site, but not within 200 feet of an area of observed contamination.

The air pathway was evaluated as a suspected release. The air pathway score is 1.57. There are 100 workers on-site, and 315,569 people live within a 4-mile radius of the site. Approximately 595 acres of wetlands are located within a 4-mile radius of the Desoto site.

A PREscore analysis of the Desoto site was completed, in which the site was evaluated on the basis of contaminated soil (greater than 0 square feet of soil contaminated with VOCs and SVOCs). The PREscore evaluation included no observed release nor a suspected release to groundwater, or to surface water, areas of observed soil contamination, and a suspected release to air. The overall site score was 19.23, which is below the score of 28.5 required for consideration for placement on the National Priorities List (NPL).

Based on an evaluation of the above conditions, a recommendation of **NO FURTHER REMEDIAL ACTION PLANNED (NFRAP)** under CERCLA is given to the Desoto, Inc. site. Although analytical results of soil samples did indicate the presence of VOCs and SVOCs in site soils, results from the groundwater samples did not confirm this. No VOCs or SVOCs were detected in any of the groundwater samples collected during this SIP investigation. Therefore, it does not appear that contaminants detected in site soils have impacted the groundwater beneath the site.

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PREScore 4.1
HRS DOCUMENTATION RECORD

1. Site Name: Desoto, Incorporated
   (as entered in CERCLIS)

2. Site CERCLIS Number: NJD005440342

3. Site Reviewer: Joanne D'Onofrio

4. Date: 11/14/00

5. Site Location: Pennsauken, Camden, New Jersey
   (City/County,State)

6. Congressional District: 01

7. Site Coordinates: Single

   Latitude: 39°59'06.0" Longitude: 75°02'44.0"

	Score
Ground Water Migration Pathway Score (Sgw)	38.42
Surface Water Migration Pathway Score (Ssw)	0.17
Soil Exposure Pathway Score (Ss)	0.61
Air Migration Pathway Score (Sa)	1.57

Site Score	19.23

NOTE

Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

PREScore 4.1
WASTE QUANTITY
DESOTO, INC. SITE

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Contaminated Soil

a. Wastestream ID		
b. Hazardous Constituent Quantity (C)	(lbs.)	0.00
c. Data Complete?		NO
d. Hazardous Wastestream Quantity (W)	(lbs.)	0.00
e. Data Complete?		NO
f. Wastestream Quantity Value (W/5,000)		0.00E+00

PREScore 4.1
WASTE QUANTITY
DESOTO, INC. SITE

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Contaminated Soil	
b. Source Type		Contaminated Soil	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	0.00	1.00
e. Source Volume/Area Value		2.94E-05	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		2.94E-05	

PREScore 4.1
WASTE QUANTITY
DESOTO, INC. SITE

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Acenaphthene	> 2	NO	3.9E-02	ppm
Acetone	> 2	NO	2.4E+00	ppm
Aluminum	< 2	NO	1.3E+04	ppm
Biphenyl, 1,1-	< 2	NO	7.3E-02	ppm
Bis (2-ethylhexyl) phthalate	< 2	NO	2.7E+00	ppm
Chromium	< 2	NO	3.2E+01	ppm
Cresol, p-	> 2	NO	5.6E-02	ppm
Di-n-butyl phthalate	< 2	NO	2.2E+00	ppm
Ethyl benzene	< 2	NO	1.5E+01	ppm
Hexanone, 2-	< 2	NO	1.1E+00	ppm
Isophorone	< 2	NO	3.9E+00	ppm
Methyl isobutyl ketone	> 2	NO	1.1E-01	ppm
Methylene chloride	< 2	NO	3.3E-01	ppm
Methylnaphthalene, 2-	< 2	NO	5.2E+00	ppm
Naphthalene	< 2	NO	3.6E+01	ppm
Phenanthrene	> 2	NO	8.9E-02	ppm
Potassium	< 2	NO	1.6E+03	ppm
Toluene	< 2	NO	1.1E+01	ppm
Xylene, m-	< 2	NO	9.3E+01	ppm

PREScore 4.1
WASTE QUANTITY
DESOTO, INC. SITE

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	Contaminated Soil	GW-SW-SE-A	2.94E-05	0.00E+00	2.94E-05

PREScore 4.1
WASTE QUANTITY
DESOTO, INC. SITE

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values		HWQVs*	WCVs**
Ground Water	Toxicity/Mobility	1.00E+02	10	6
SW: Overland Flow, DW	Tox./Persistence	1.00E+04	10	18
SW: Overland Flow, HFC	Tox./Persis./Bioacc.	5.00E+06	10	56
SW: Overland Flow, Env	Etox./Persis./Bioacc.	5.00E+07	10	100
SW: GW to SW, DW	Tox./Persistence	1.00E+02	10	6
SW: GW to SW, HFC	Tox./Persis./Bioacc.	5.00E+04	10	18
SW: GW to SW, Env	Etox./Persis./Bioacc.	4.00E+05	10	32
Soil Exposure:Resident	Toxicity	1.00E+04	10	18
Soil Exposure: Nearby	Toxicity	1.00E+04	10	18
Air	Toxicity/Mobility	1.00E+02	10	6

* Hazardous Waste Quantity Factor Values
** Waste Characteristics Factor Category Values

Note: SW = Surface Water
GW = Ground Water
DW = Drinking Water Threat
HFC = Human Food Chain Threat
Env = Environmental Threat

PREScore 4.1
GROUND WATER MIGRATION PATHWAY SCORESHEET
DESOTO, INC. SITE

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Potomac-Raritan-Mago		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	3
2d. Travel Time	35	15
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	240
3. Likelihood of Release	550	240
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+02
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	6
Targets		
7. Nearest Well	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	2.17E+03
8d. Population (lines 8a+8b+8c)	**	2.17E+03
9. Resources	5	5.00E+00
10. Wellhead Protection Area	20	5.00E+00
11. Targets (lines 7+8d+9+10)	**	2.20E+03
12. Targets (including overlaying aquifers)	**	2.20E+03
13. Aquifer Score	100	38.42
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	38.42

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
DESOTO, INC. SITE

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	1
2c. Distance to Surface Water	25	6
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	70
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	7
3c. Potential to Release by Flood (lines 3a x 3b)	500	70
4. Potential to Release (lines 2d+3c)	500	140
5. Likelihood of Release	550	140
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	10
8. Waste Characteristics	100	18
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	5.00E+00
12. Targets (lines 9+10d+11)	**	5.00E+00
13. DRINKING WATER THREAT SCORE	100	0.15

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
DESOTO, INC. SITE

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	140
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+06
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	1000	56
Targets		
18. Food Chain Individual	50	0.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	3.00E-07
19d. Population (lines 19a+19b+19c)	**	3.00E-07
20. Targets (lines 18+19d)	**	3.00E-07
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
DESOTO, INC. SITE

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	140
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+07
24. Hazardous Waste Quantity	*	10
25. Waste Characteristics	1000	100
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	2.00E-03
26d. Sensitive Environments (lines 26a+26b+26c)	**	2.00E-03
27. Targets (line 26d)	**	2.00E-03
28. ENVIRONMENTAL THREAT SCORE	60	0.00
29. WATERSHED SCORE	100	0.15
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	0.15

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
DESOTO, INC. SITE

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Potomac-Raritan-Mago		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	3
2d. Travel Time	35	15
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	240
3. Likelihood of Release	550	240
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	1.00E+02
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	6
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	5.00E+00
10. Targets (lines 7+8d+9)	**	5.00E+00
11. DRINKING WATER THREAT SCORE	100	0.17

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
DESOTO, INC. SITE

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	240
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	5.00E+04
14. Hazardous Waste Quantity	*	10
15. Waste Characteristics	1000	18
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
DESOTO, INC. SITE

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	240
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	4.00E+05
22. Hazardous Waste Quantity	*	10
23. Waste Characteristics	1000	32
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.17
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.17

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
SOIL EXPOSURE PATHWAY SCORESHEET
DESOTO, INC. SITE

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+04
3. Hazardous Waste Quantity	*	10
4. Waste Characteristics	100	18
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	5.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	5.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	4.95E+04

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.

PREScore 4.1
SOIL EXPOSURE PATHWAY SCORESHEET
DESOTO, INC. SITE

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	5.00E+00
13. Area of Contamination	100	5.00E+00
14. Likelihood of Exposure	500	5.00E+00
Waste Characteristics		
15. Toxicity	*	1.00E+04
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	100	18
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	4.00E+00
20. Targets (lines 18+19)	**	5.00E+00
21. NEARBY POPULATION THREAT SCORE	**	4.50E+02
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.61

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
AIR PATHWAY SCORESHEET
DESOTO, INC. SITE

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	252
2b. Particulate Potential to Release	500	273
2c. Potential to Release	500	273
3. Likelihood of Release	550	273
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+02
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	6
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	5.80E+01
8d. Population (lines 8a+8b+8c)	**	5.80E+01
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	1.00E+00
10c. Sens. Environments(lines 10a+10b)	***	1.00E+00
11. Targets (lines 7+8d+9+10c)	**	7.90E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	1.57E+00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.